

Name: _____

Date: _____

FOIL and Factor solution (version 109)

FOIL the expressions shown below:

1. $(x + 4)(x - 2)$

$$x^2 + 2x - 8$$

2. $(x + 1)(x + 3)$

$$x^2 + 4x + 3$$

3. $(x - 1)(x + 1)$

$$x^2 - 1$$

4. $(x - 5)(x + 5)$

$$x^2 - 25$$

5. $(x + 7)(x + 8)$

$$x^2 + 15x + 56$$

Factor the expressions shown below:

6. $x^2 - 6x - 16$

$$(x - 8)(x + 2)$$

7. $x^2 + 2x - 63$

$$(x - 7)(x + 9)$$

8. $x^2 + x - 20$

$$(x - 4)(x + 5)$$

9. $x^2 + 9x + 18$

$$(x + 6)(x + 3)$$

10. $x^2 + 3x - 40$

$$(x + 8)(x - 5)$$